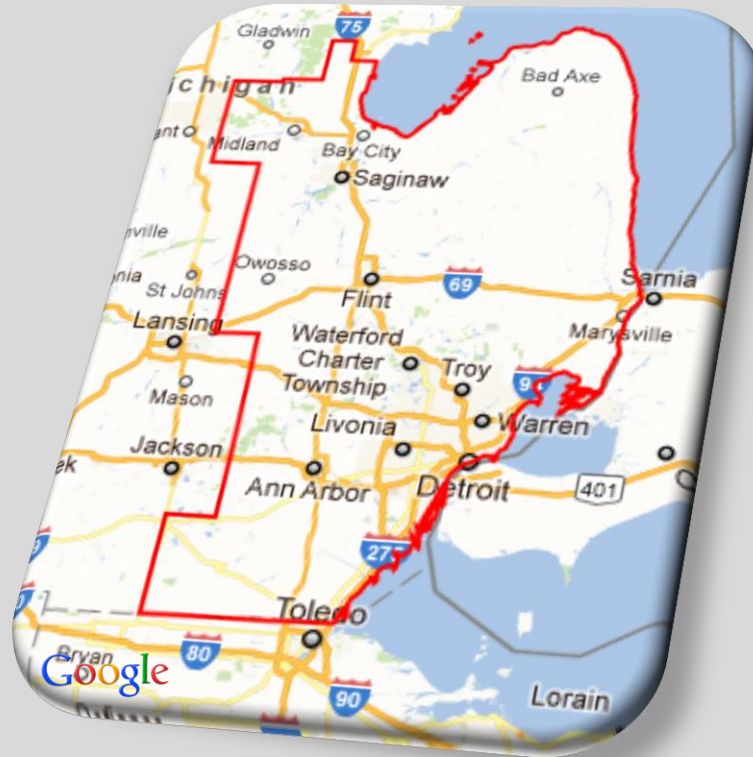




# Weather Briefing

March 11 – 12, 2014



**National Weather Service**  
**Detroit/Pontiac, MI**

<http://www.weather.gov/dtx>

Email: [w-dtx.webmaster@noaa.gov](mailto:w-dtx.webmaster@noaa.gov)



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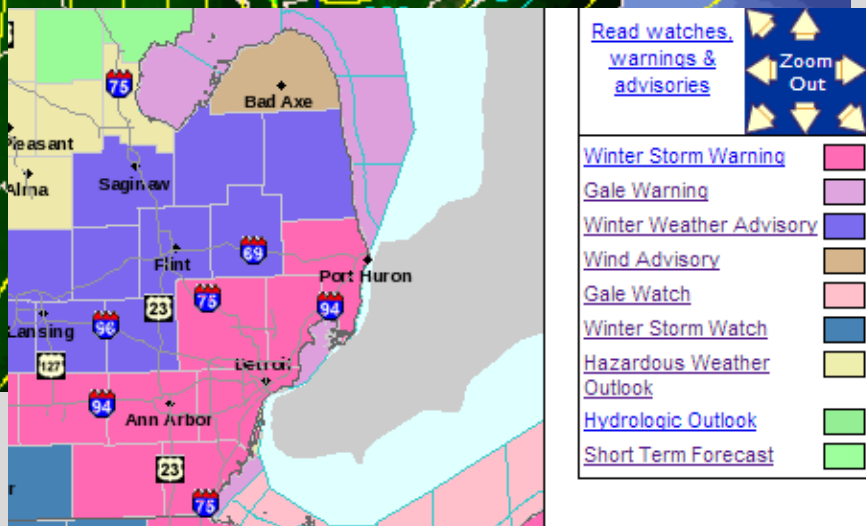
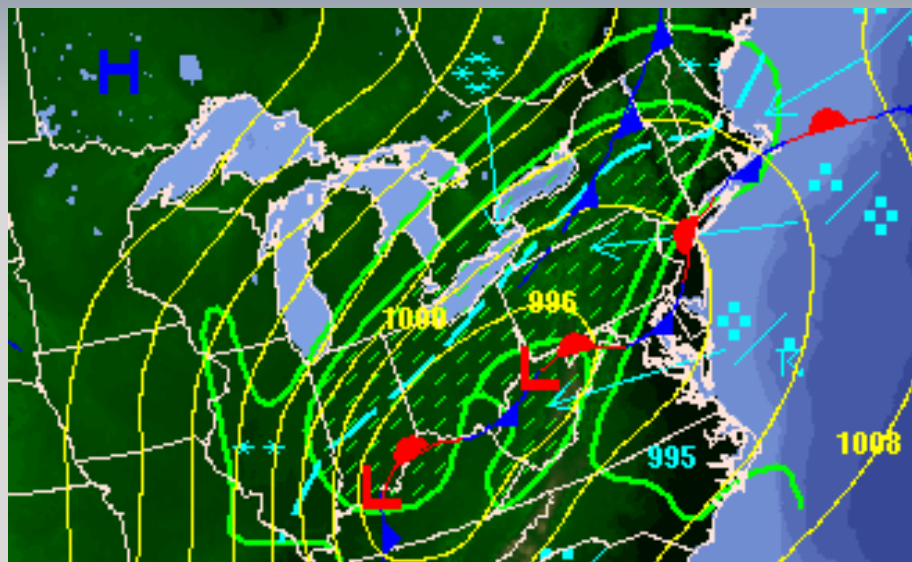




# Decision Support Briefing Highlights



Forecast 7 am Wednesday



## Event Summary

**Winter Storm Warning**  
**Winter Weather Advisory**  
**Wind Advisory**

**Tonight and Wednesday**

**6–9" in Winter Storm Warning**  
**2–5" in Winter Weather Advisory**  
**Gusts to 40–50 mph in Wind Adv.**



# Winter Hazard Risk Assessment



**Extreme**

**High**



**Moderate**

**Low**

**This Event is a  
Rare Weather Event**

Large Disruption to Daily Life

Potentially Life Threatening

**Recovery Time**

Several Hours to a Day After the  
Weather Ends

**Extreme:**

- Historic Weather Hazard/Event
- Life Threatening
- Total disruption of daily life
- Recovery Time: days to one week

**High:**

- Rare Weather Hazard/Event
- Potentially Life Threatening
- Widespread disruption of daily life
- Recovery Time: hours to a day

**Moderate:**

- Occasional Weather Hazard/Event
- Rarely directly life threatening
- Some disruption of daily life
- Recovery Time: +/- 6 hrs of when weather ends



# Potential Impacts

## Road Conditions/Air Temperatures

- Snow covered and slippery roadways
- Air temperatures in the low 30s at the beginning of snowfall, falling into the 20s during the heaviest snowfall
- Low temps in the lower single digits Wednesday night

## Additional Potential Impacts

- Large impacts for the AM commute
- Low visibility in heavy snow and blowing snow
- Northerly wind gusts to 30–40 mph Wednesday will create areas of blowing and drifting

## Power Outage Potential

High

Medium



Low

## Blowing/Drifting Potential

High

Medium



Low



# Timing of Winter Weather



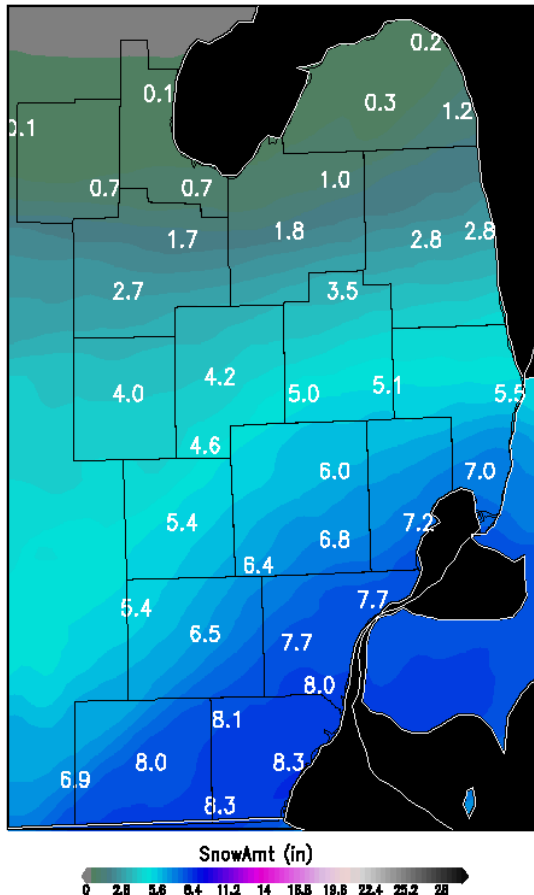
<b>Beginning</b>	<ul style="list-style-type: none"><li>• Rain mixing with and changing to snow from 10 pm to 2 am tonight</li></ul>
<b>Heaviest</b>	<ul style="list-style-type: none"><li>• Peak intensity Wednesday morning from 4 am to 11 am. 1" per hour rates possible in Warning area.</li></ul>
<b>Ending</b>	<ul style="list-style-type: none"><li>• Snow tapers off Wednesday afternoon</li></ul>



# Storm Total Snowfall



Storm Total SnowAmt thru 03/12/2014 18EST



Snow Total Through 7 PM Wednesday  
(in inches)

## Snow Accumulation

- 6–9 Inches Expected In Warning Area
- 2–5 Inches Expected In Advisory Area

## Type of Snow

Heavier/denser than normal through the peak of the event. Trending toward average at the end.

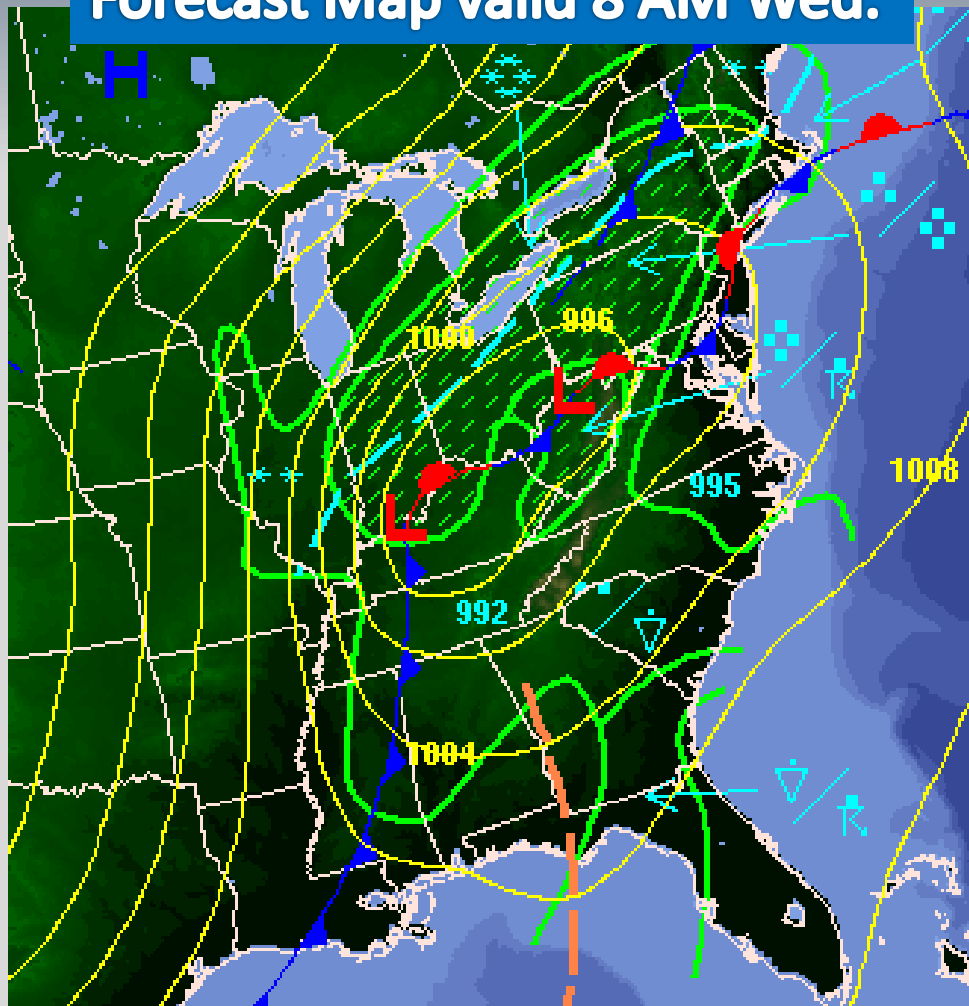
## Additional Hazards

- Low Visibilities
- Wind gusts to 30–40 mph Wednesday (40–50 mph for Huron/Sanilac); blowing and drifting snow
- Cold temperatures after snow ends will hamper snow removal efforts



# Forecast Challenges

Forecast Map valid 8 AM Wed.



- There will be a sharp cutoff to snow amounts to the north and west. The precise low track will determine where heaviest snowfall occurs.





# Decision Support Briefing Summary



What	Where	Timing	Impacts
<b>Winter Storm Warning</b> 6–9 inches likely	<b>Lenawee, Monroe, Washtenaw, Wayne, Oakland, Macomb, St. Clair Counties</b>	Rain/snow changing to all snow 12–2 am, ending Wednesday afternoon	Difficult travel due to snow covered roads
<b>Winter Weather Advisory</b> 2–5 inches likely	<b>Sanilac, Genesee, Lapeer, Livingston, Saginaw, Tuscola, Shiawassee Counties</b>	Rain/snow changing to all snow 10 pm–1 am, ending Wednesday afternoon	Reduced visibilities Blowing and drifting
<b>Wind Advisory</b> Northeast gusts to 40–50 mph	<b>Huron and Sanilac Counties</b>	8 am to 6 pm Wednesday	Minor tree damage and sporadic power outages





# Additional Information



## Local Hazards Page

<http://www.weather.gov/detroit/svr.php>

## Great Lakes Marine Portal

<http://www.weather.gov/greatlakes>

## Hourly Wind / Gust Probabilities

<http://www.crh.noaa.gov/dtx/?n=pwind>

<http://www.crh.noaa.gov/dtx/?n=pgust>

## Hourly Snowfall Probabilities

<http://www.crh.noaa.gov/dtx/?n=hourlysnowprobabilities>

## NWS Detroit/Pontiac, MI

<http://www.weather.gov/dtx>

Email: [w-dtx.webmaster@noaa.gov](mailto:w-dtx.webmaster@noaa.gov)



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